#2

OIPE

RAW SEQUENCE LISTING DATE: 07/07/2001
PATENT APPLICATION: US/09/887,855 TIME: 14:38:13

Input Set : A:\2883-US Sequence Listing.txt
Output Set: N:\CRF3\07062001\I887855.raw

3 <110> APPLICANT: Immunex Corporation
4 Anderson, Dirk M
6 <120> TITLE OF INVENTION: LECTIN SS3939 DNA AND POLYPEPTIDES
8 <130> FILE REFERENCE: 2883-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/887,855
C--> 10 <141> CURRENT FILING DATE: 2001-06-22
10 <160> NUMBER OF SEQ ID NOS: 9
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 2005
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1

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22 gcgcacccga gtcgggccat gaggccggga accgcgctac aggccgtgct gctggccgtg 120
24 ctgctggtgg ggctgcgggc cgcgacgggt cgcctgctga gtgggcagcc agtctgccgg 180
26 ggagggacac agaggccttg ttataaagtc atttacttcc atgatacttc tcgaagactg 240
28 aactttgagg aagccaaaga agcctgcagg agggatggag gccagctagt cagcatcgag 300
30 tctgaagatg aacagaaact gatagaaaag ttcattgaaa acctcttgcc atctgatggt 360
32 gacttctgga ttgggctcag gaggcgtgag gagaaacaaa gcaatagcac agcctgccag 420
34 gacctttatg cttggactga tggcagcata tcacaattta ggaactggta tgtggatgag 480
36 ccgtcctgcg gcagcgaggt ctgcgtggtc atgtaccatc agccatcggc acccgctggc 540
38 atcggaggcc cctacatgtt ccagtggaat gatgaccggt gcaacatgaa gaacaatttc 600
40 atttgcaaat attctgatga gaaaccagca gttccttcta gagaagctga aggtgaggaa 660
42 acagagctga caacacctgt acttccagaa gaaacacagg aagaagatgc caaaaaaaca 720
44 tttaaagaaa gtagagaagc tgccttgaat ctggcctaca tcctaatccc cagcattccc 780
46 cttctcctcc tccttgtggt caccacagtt gtatgttggg tttggatctg tagaaaaaga 840
48 aaacgggagc agccagaccc tagcacaaag aagcaacaca ccatctggcc ctctcctcac 900
50 cagggaaaca gcccggacct agaggtctac aatgtcataa gaaaacaaag cgaagctgac 960
52 ttagctgaga cccggccaga cctgaagaat atttcattcc gagtgtgttc gggagaagcc 1020
54 actcccgatg acatgtcttg tgactatgac aacatggctg tgaacccatc agaaagtggg 1080
56 tttgtgactc tggtgagcgt ggagagtgga tttgtgacca atgacattta tgagttctcc 1140
58 ccagaccaaa tggggaggag taaggagtct ggatgggtgg aaaatgaaat atatggttat 1200
60 taggacatat aaaaaactga aactgacaac aatggaaaag aaatgataag caaaatcctc 1260
62 ttattttcta taaggaaaat acacagaagg tctatgaaca agcttagatc aggtcctgtg 1320
64 gatgagcatg tggtccccac gacctcctgt tggaccccca cgttttggct gtatccttta 1380
66 tcccagccag tcatccagct cgaccttatg agaaggtacc ttgcccaggt ctggcacata 1440
68 gtagagtctc aataaatgtc acttggttgg ttgtatctaa cttttaaggg acagagcttt 1500
70 acctggcagt gataaagatg ggctgtggag cttggaaaac cacctctgtt ttccttgctc 1560
72 tatacagcag cacatattat catacagaca gaaaatccag aatcttttca aagcccacat 1620
74 atggtagcac aggttggcct gtgcatcggc aattctcata tctgtttttt tcaaagaata 1680
76 aaatcaaata aagagcagga aacagagtgt tagtctgtgt ctacagccct tcctctgcat 1740
78 gtggccacag gggacctttt tttgtttctc ctgacatcca gacttggaaa tatctaacta 1800
80 cttgcaaaac taaaaatgag gccaggcgca gtggctgacg cctgtaatcc cagaaccttg 1860
82 ggagaccaag attggaggat agcttgagtt caggagttcc agaccttcct gggcaaaata 1920
84 gtgagactct gactctacaa aaaatttaaa aattagcagg gcatggtggc atgcgcctgc 1980
86 agtcccagct actcaggagg ccgag 2005

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Input Set : **A:\2883-US Sequence Listing.txt**
Output Set: **N:\CRF3\07062001\I887855.raw**

<210> SEQ ID NO: 2
<211> LENGTH: 374
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2

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1               5                  10                  15
Val Gly Leu Arg Ala Ala Thr Gly Arg Leu Leu Ser Gly Gln Pro Val
            20                  25                  30
Cys Arg Gly Gly Thr Gln Arg Pro Cys Tyr Lys Val Ile Tyr Phe His
        35                  40                  45
Asp Thr Ser Arg Arg Leu Asn Phe Glu Glu Ala Lys Glu Ala Cys Arg
    50                  55                  60
Arg Asp Gly Gly Gln Leu Val Ser Ile Glu Ser Glu Asp Glu Gln Lys
65                  70                  75                  80
Leu Ile Glu Lys Phe Ile Glu Asn Leu Leu Pro Ser Asp Gly Asp Phe
                85                  90                  95
Trp Ile Gly Leu Arg Arg Arg Glu Glu Lys Gln Ser Asn Ser Thr Ala
            100                 105                 110
Cys Gln Asp Leu Tyr Ala Trp Thr Asp Gly Ser Ile Ser Gln Phe Arg
        115                 120                 125
Asn Trp Tyr Val Asp Glu Pro Ser Cys Gly Ser Glu Val Cys Val Val
    130                 135                 140
Met Tyr His Gln Pro Ser Ala Pro Ala Gly Ile Gly Gly Pro Tyr Met
145                 150                 155                 160
Phe Gln Trp Asn Asp Asp Arg Cys Asn Met Lys Asn Asn Phe Ile Cys
                165                 170                 175
Lys Tyr Ser Asp Glu Lys Pro Ala Val Pro Ser Arg Glu Ala Glu Gly
            180                 185                 190
Glu Glu Thr Glu Leu Thr Thr Pro Val Leu Pro Glu Glu Thr Gln Glu
        195                 200                 205
Glu Asp Ala Lys Lys Thr Phe Lys Glu Ser Arg Glu Ala Ala Leu Asn
    210                 215                 220
Leu Ala Tyr Ile Leu Ile Pro Ser Ile Pro Leu Leu Leu Leu Leu Val
225                 230                 235                 240
Val Thr Thr Val Val Cys Trp Val Trp Ile Cys Arg Lys Arg Lys Arg
                245                 250                 255
Glu Gln Pro Asp Pro Ser Thr Lys Lys Gln His Thr Ile Trp Pro Ser
            260                 265                 270
Pro His Gln Gly Asn Ser Pro Asp Leu Glu Val Tyr Asn Val Ile Arg
        275                 280                 285
Lys Gln Ser Glu Ala Asp Leu Ala Glu Thr Arg Pro Asp Leu Lys Asn
    290                 295                 300
Ile Ser Phe Arg Val Cys Ser Gly Glu Ala Thr Pro Asp Asp Met Ser
305                 310                 315                 320
Cys Asp Tyr Asp Asn Met Ala Val Asn Pro Ser Glu Ser Gly Phe Val
                325                 330                 335
Thr Leu Val Ser Val Glu Ser Gly Phe Val Thr Asn Asp Ile Tyr Glu
            340                 345                 350
```

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Phe Ser Pro Asp Gln Met Gly Arg Ser Lys Glu Ser Gly Trp Val Glu
355 360 365
Asn Glu Ile Tyr Gly Tyr
370

<210> SEQ ID NO: 3
<211> LENGTH: 618
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 3
gcgacgggtc gcctgctgag tgggcagcca gtctgccggg gagggacaca gaggccttgt 60
tataaagtca tttacttcca tgatacttct cgaagactga actttgagga agccaaagaa 120
gcctgcagga gggatggagg ccagctagtc agcatcgagt ctgaagatga acagaaactg 180
atagaaaagt tcattgaaaa cctcttgcca tctgatggtg acttctggat tgggctcagg 240
aggcgtgagg agaaacaaag caatagcaca gcctgccagg acctttatgc ttggactgat 300
ggcagcatat cacaatttag gaactggtat gtggatgagc cgtcctgcgg cagcgaggtc 360
tgcgtggtca tgtaccatca gccatcggca cccgctggca tcggaggccc ctacatgttc 420
cagtggaatg atgaccggtg caacatgaag aacaatttca tttgcaaata ttctgatgag 480
aaaccagcag ttccttctag agaagctgaa ggtgaggaaa cagagctgac aacacctgta 540
cttccagaag aaacacagga agaagatgcc aaaaaaacat ttaaagaaag tagagaagct 600
gccttgaatc tggcctac 618

<210> SEQ ID NO: 4
<211> LENGTH: 378
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 4
tggatctgta gaaaaagaaa acgggagcag ccagacccta gcacaaagaa gcaacacacc 60
atctggccct ctcctcacca gggaaacagc ccggacctag aggtctacaa tgtcataaga 120
aaacaaagcg aagctgactt agctgagacc cggccagacc tgaagaatat ttcattccga 180
gtgtgttcgg gagaagccac tcccgatgac atgtcttgtg actatgacaa catggctgtg 240
aacccatcag aaagtgggtt tgtgactctg gtgagcgtgg agagtggatt tgtgaccaat 300
gacatttatg agttctcccc agaccaaatg gggaggagta aggagtctgg atgggtggaa 360
aatgaaatat atggttat 378

<210> SEQ ID NO: 5
<211> LENGTH: 206
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 5
Ala Thr Gly Arg Leu Leu Ser Gly Gln Pro Val Cys Arg Gly Gly Thr
1 5 10 15
Gln Arg Pro Cys Tyr Lys Val Ile Tyr Phe His Asp Thr Ser Arg Arg
20 25 30
Leu Asn Phe Glu Glu Ala Lys Glu Ala Cys Arg Arg Asp Gly Gly Gln
35 40 45
Leu Val Ser Ile Glu Ser Glu Asp Glu Gln Lys Leu Ile Glu Lys Phe
50 55 60
Ile Glu Asn Leu Leu Pro Ser Asp Gly Asp Phe Trp Ile Gly Leu Arg
65 70 75 80
Arg Arg Glu Glu Lys Gln Ser Asn Ser Thr Ala Cys Gln Asp Leu Tyr
85 90 95

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Input Set : A:\2883-US Sequence Listing.txt
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273 Ala Trp Thr Asp Gly Ser Ile Ser Gln Phe Arg Asn Trp Tyr Val Asp
274             100                 105                 110
277 Glu Pro Ser Cys Gly Ser Glu Val Cys Val Val Met Tyr His Gln Pro
278         115                 120                 125
281 Ser Ala Pro Ala Gly Ile Gly Gly Pro Tyr Met Phe Gln Trp Asn Asp
282     130                 135                 140
285 Asp Arg Cys Asn Met Lys Asn Asn Phe Ile Cys Lys Tyr Ser Asp Glu
286 145                 150                 155                 160
289 Lys Pro Ala Val Pro Ser Arg Glu Ala Glu Gly Glu Glu Thr Glu Leu
290                 165                 170                 175
293 Thr Thr Pro Val Leu Pro Glu Glu Thr Gln Glu Glu Asp Ala Lys Lys
294             180                 185                 190
297 Thr Phe Lys Glu Ser Arg Glu Ala Ala Leu Asn Leu Ala Tyr
298         195                 200                 205
301 <210> SEQ ID NO: 6
302 <211> LENGTH: 126
303 <212> TYPE: PRT
304 <213> ORGANISM: Homo sapiens
306 <400> SEQUENCE: 6
308 Trp Ile Cys Arg Lys Arg Lys Arg Glu Gln Pro Asp Pro Ser Thr Lys
309 1               5                   10                  15
312 Lys Gln His Thr Ile Trp Pro Ser Pro His Gln Gly Asn Ser Pro Asp
313             20                  25                  30
316 Leu Glu Val Tyr Asn Val Ile Arg Lys Gln Ser Glu Ala Asp Leu Ala
317         35                  40                  45
320 Glu Thr Arg Pro Asp Leu Lys Asn Ile Ser Phe Arg Val Cys Ser Gly
321     50                  55                  60
324 Glu Ala Thr Pro Asp Asp Met Ser Cys Asp Tyr Asp Asn Met Ala Val
325 65                  70                  75                  80
328 Asn Pro Ser Glu Ser Gly Phe Val Thr Leu Val Ser Val Glu Ser Gly
329                 85                  90                  95
332 Phe Val Thr Asn Asp Ile Tyr Glu Phe Ser Pro Asp Gln Met Gly Arg
333             100                 105                 110
336 Ser Lys Glu Ser Gly Trp Val Glu Asn Glu Ile Tyr Gly Tyr
337         115                 120                 125
340 <210> SEQ ID NO: 7
341 <211> LENGTH: 8
342 <212> TYPE: PRT
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial Sequence:
347       antigenic peptide used in fusion proteins
349 <400> SEQUENCE: 7
351 Asp Tyr Lys Asp Asp Asp Asp Lys
352 1               5
355 <210> SEQ ID NO: 8
356 <211> LENGTH: 27
357 <212> TYPE: PRT
358 <213> ORGANISM: Artificial Sequence
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Input Set : A:\2883-US Sequence Listing.txt
Output Set: N:\CRF3\07062001\I887855.raw

360 <220> FEATURE:
361 <223> OTHER INFORMATION: Description of Artificial Sequence: leucine zipper polypeptide
363 <400> SEQUENCE: 8
365 Pro Asp Val Ala Ser Leu Arg Gln Gln Val Glu Ala Leu Gln Gly Gln
366 1 5 10 15
369 Val Gln His Leu Gln Ala Ala Phe Ser Gln Tyr
370 20 25
373 <210> SEQ ID NO: 9
374 <211> LENGTH: 33
375 <212> TYPE: PRT
376 <213> ORGANISM: Artificial Sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: Description of Artificial Sequence: leucine zipper polypeptide
381 <400> SEQUENCE: 9
383 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Ile
384 1 5 10 15
387 Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu
388 20 25 30
391 Arg

VERIFICATION SUMMARY DATE: 07/07/2001
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Input Set : **A:\2883-US Sequence Listing.txt**
Output Set: **N:\CRF3\07062001\I887855.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date